

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

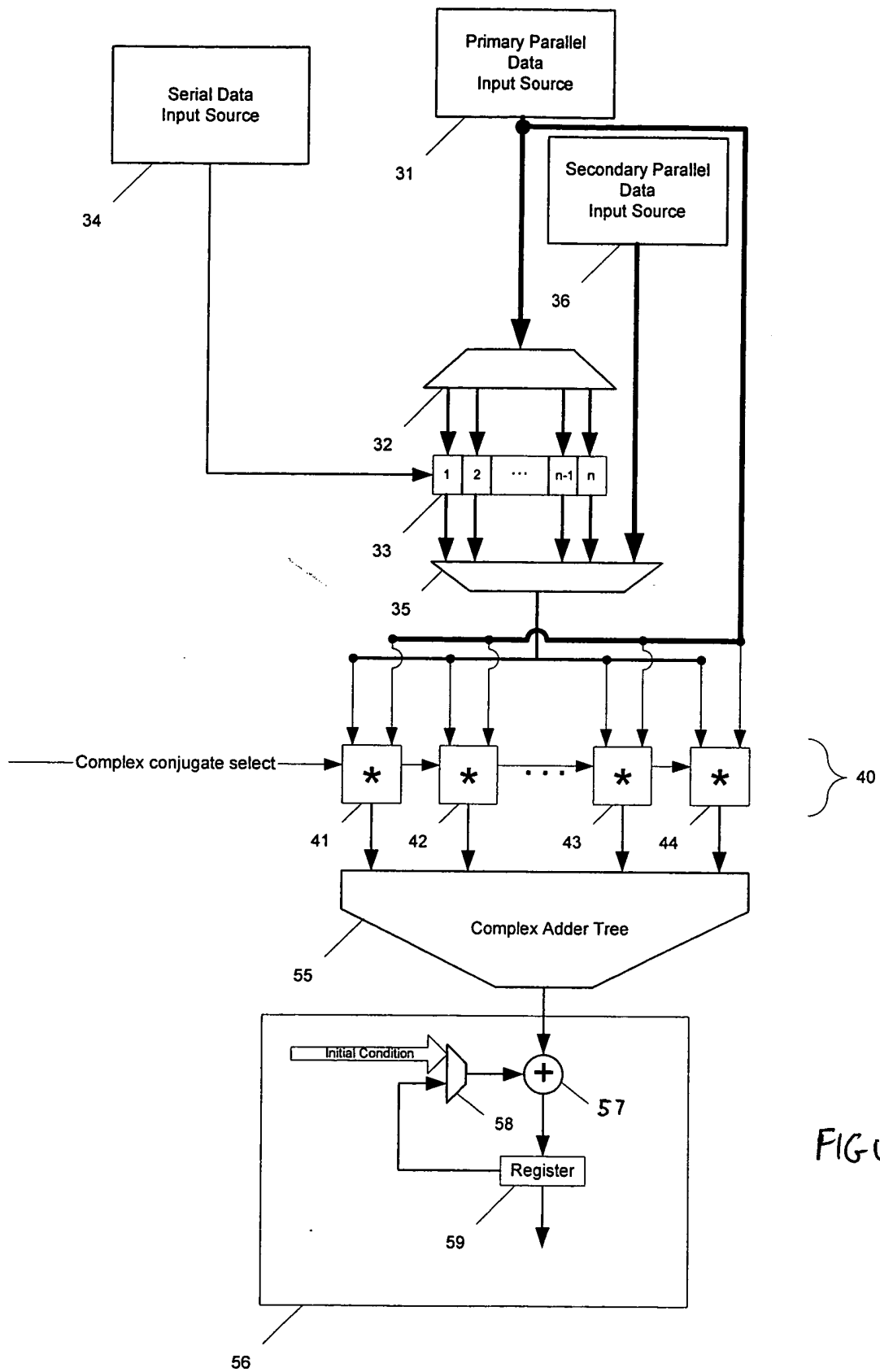
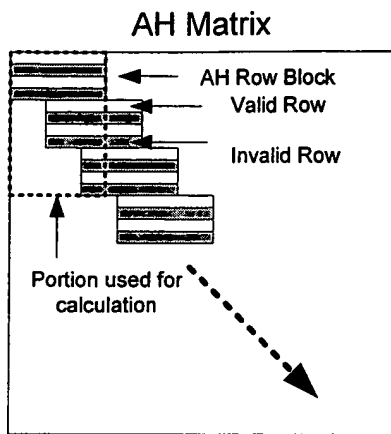
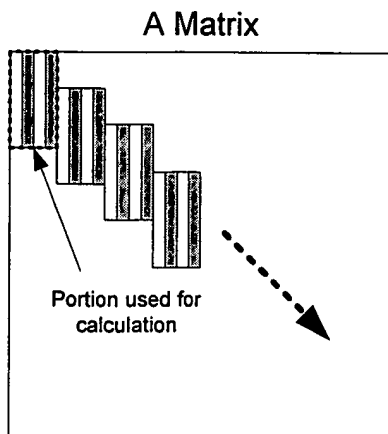


FIGURE 1



*



=

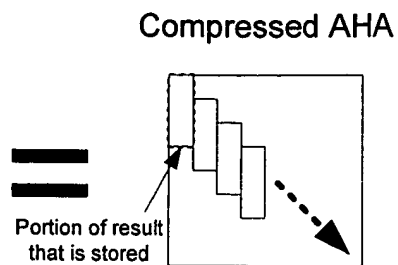
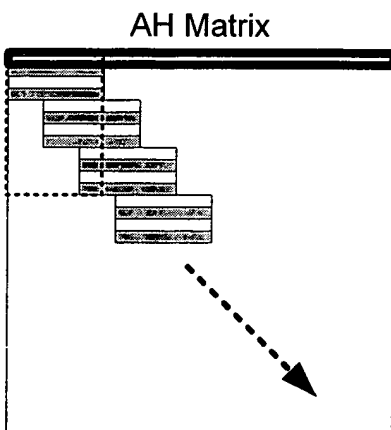
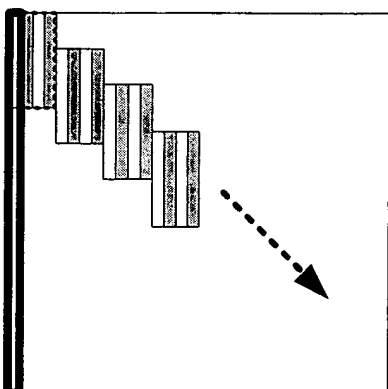


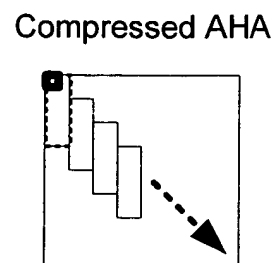
FIG 2A



*



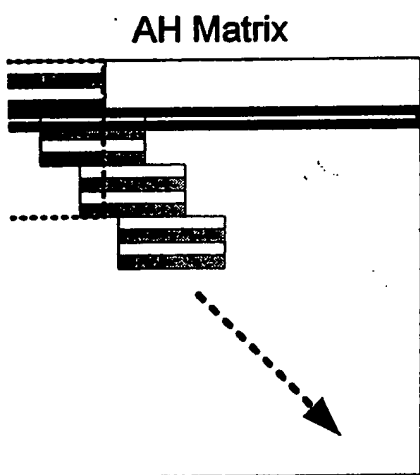
=



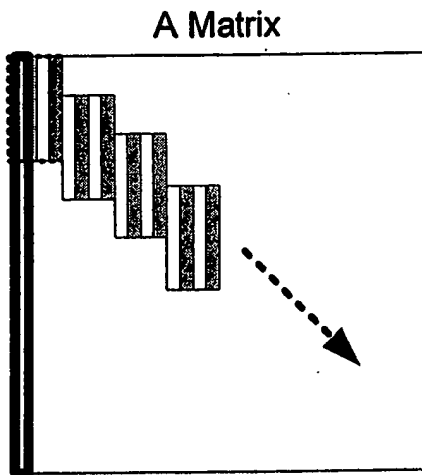
AH Matrix

A Matrix

FIG 2B



*



=

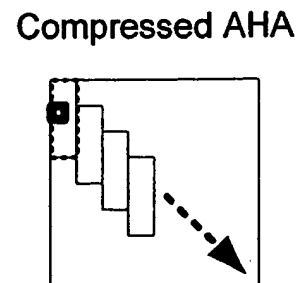


FIG 2C

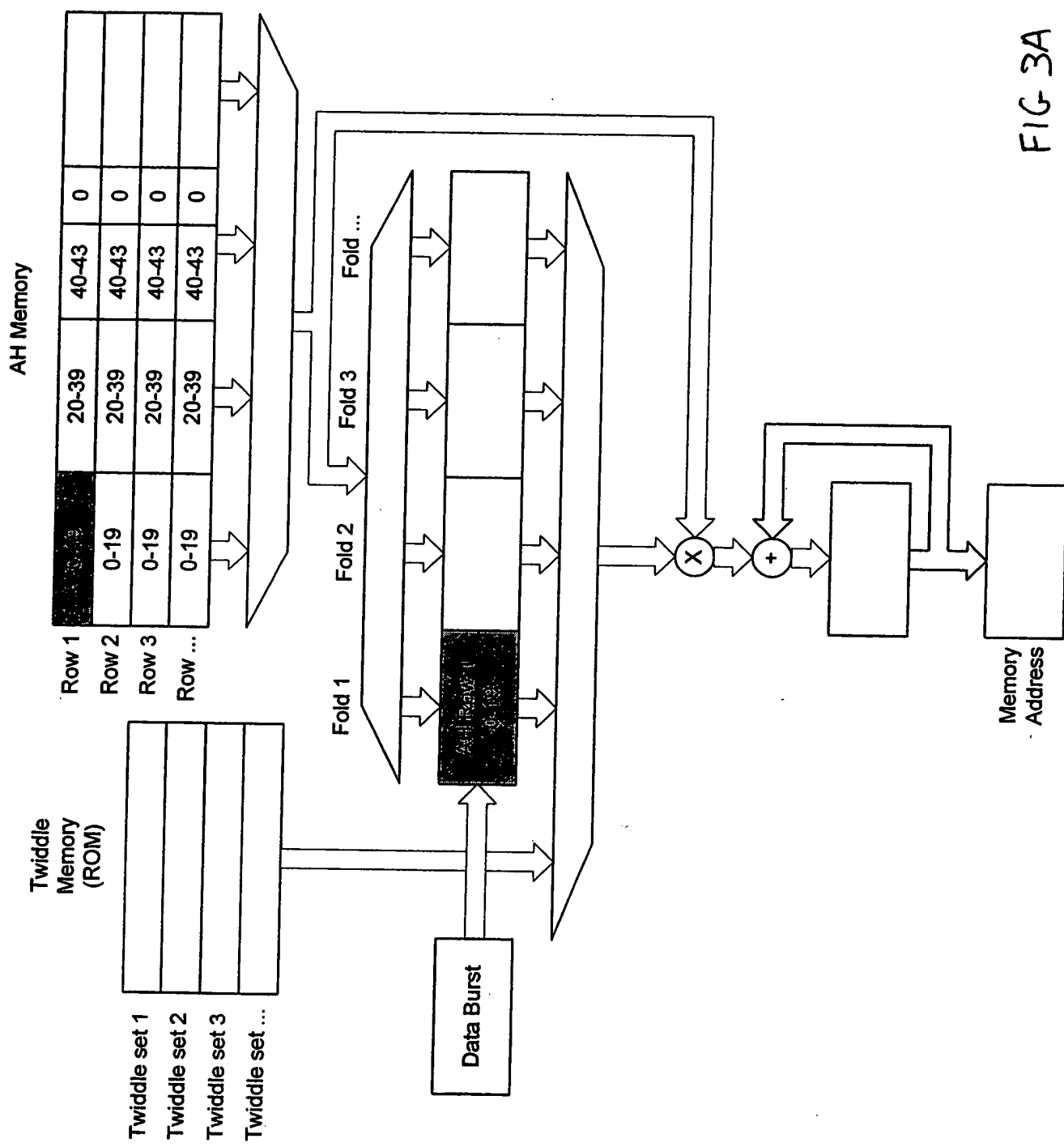


FIG 3A

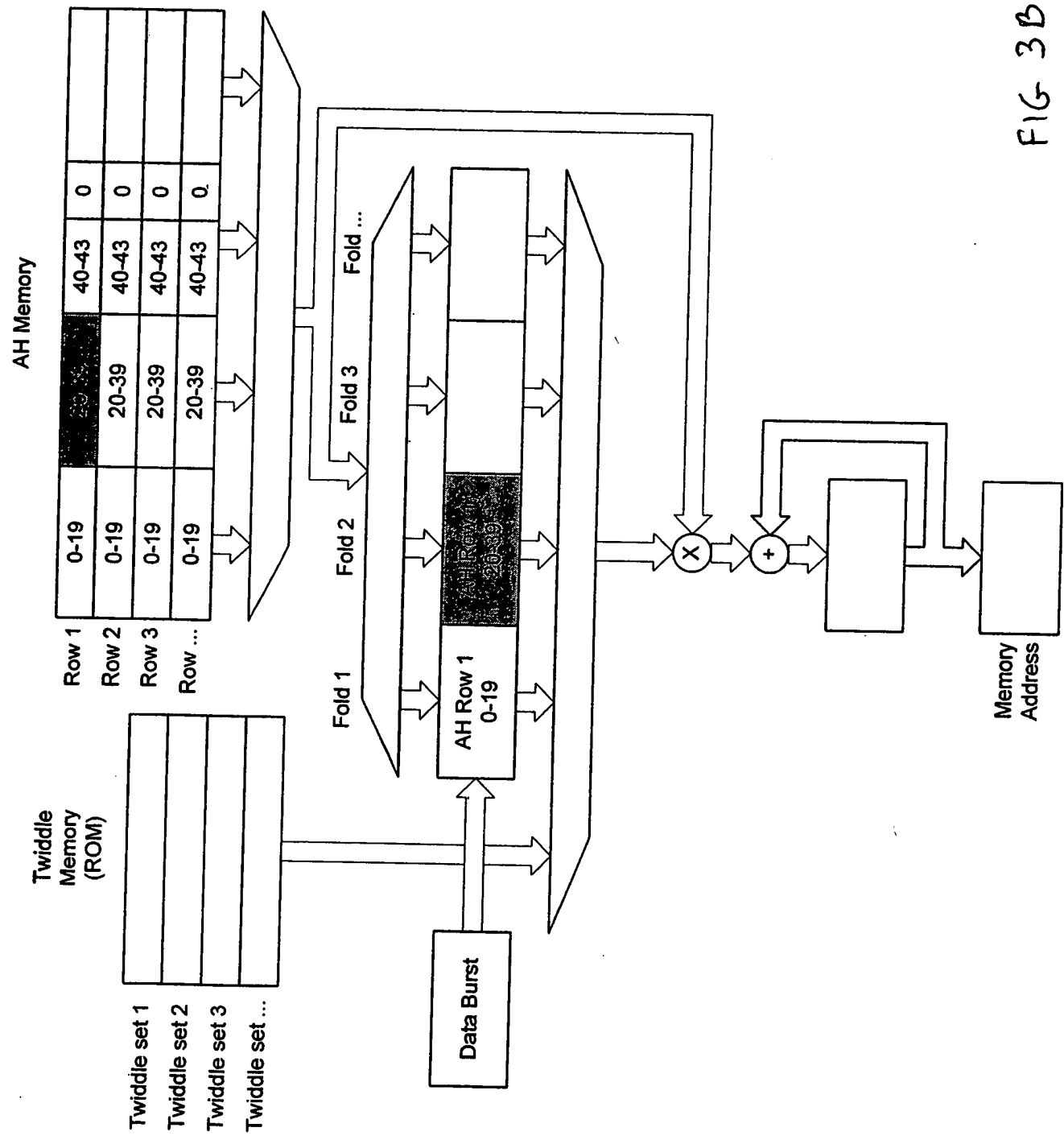


FIG 3B

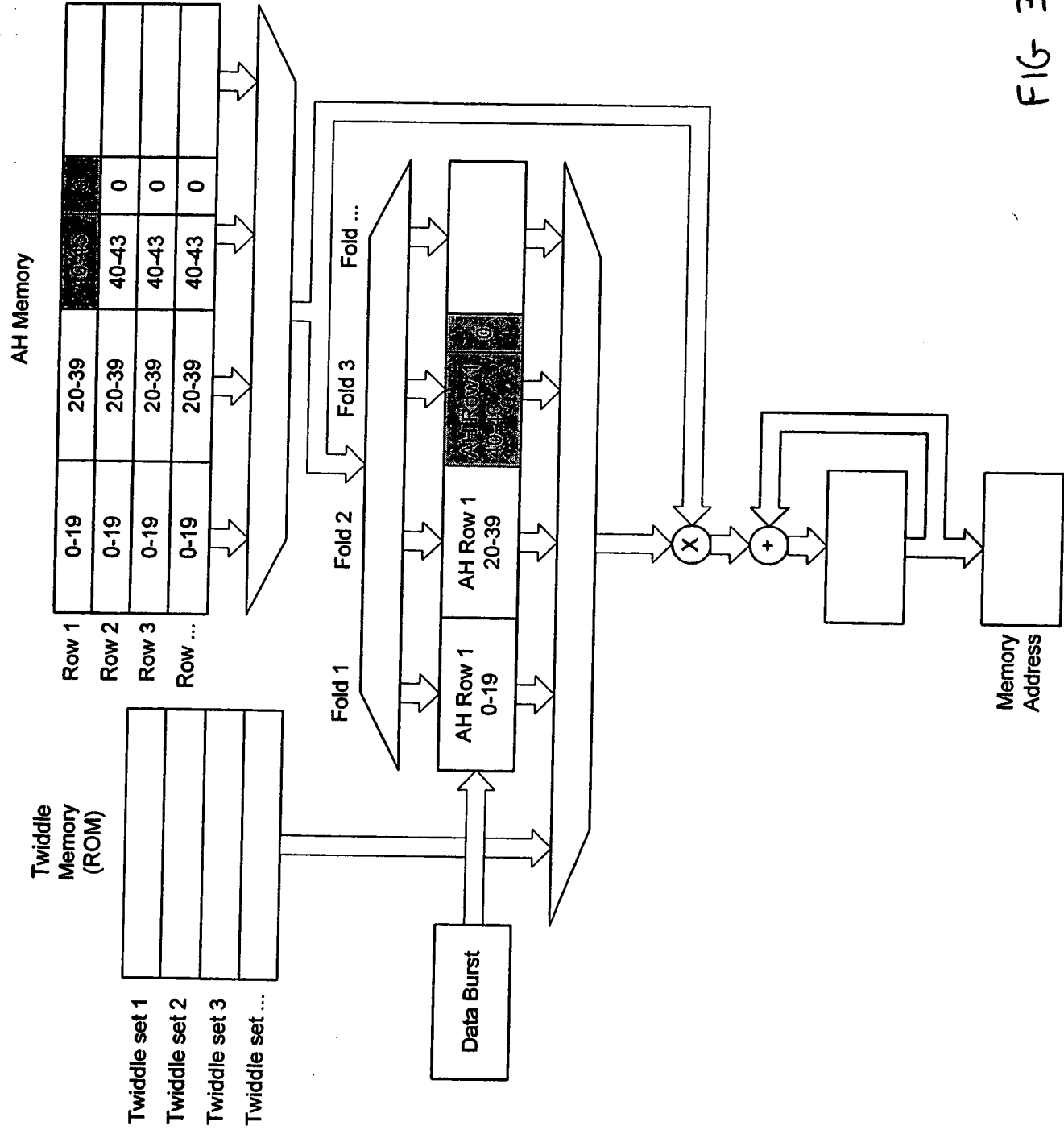


FIG 3C

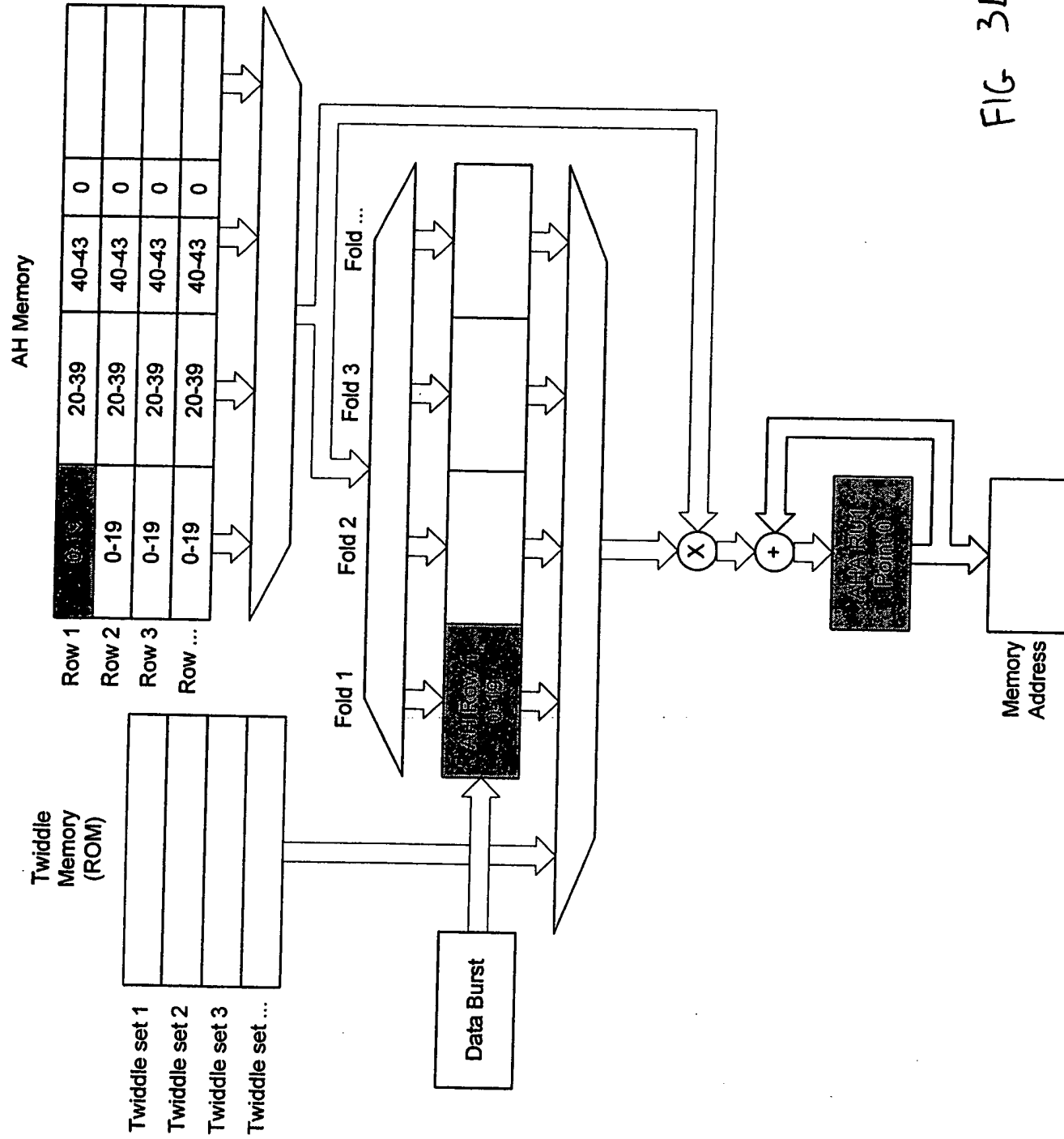


FIG 3D

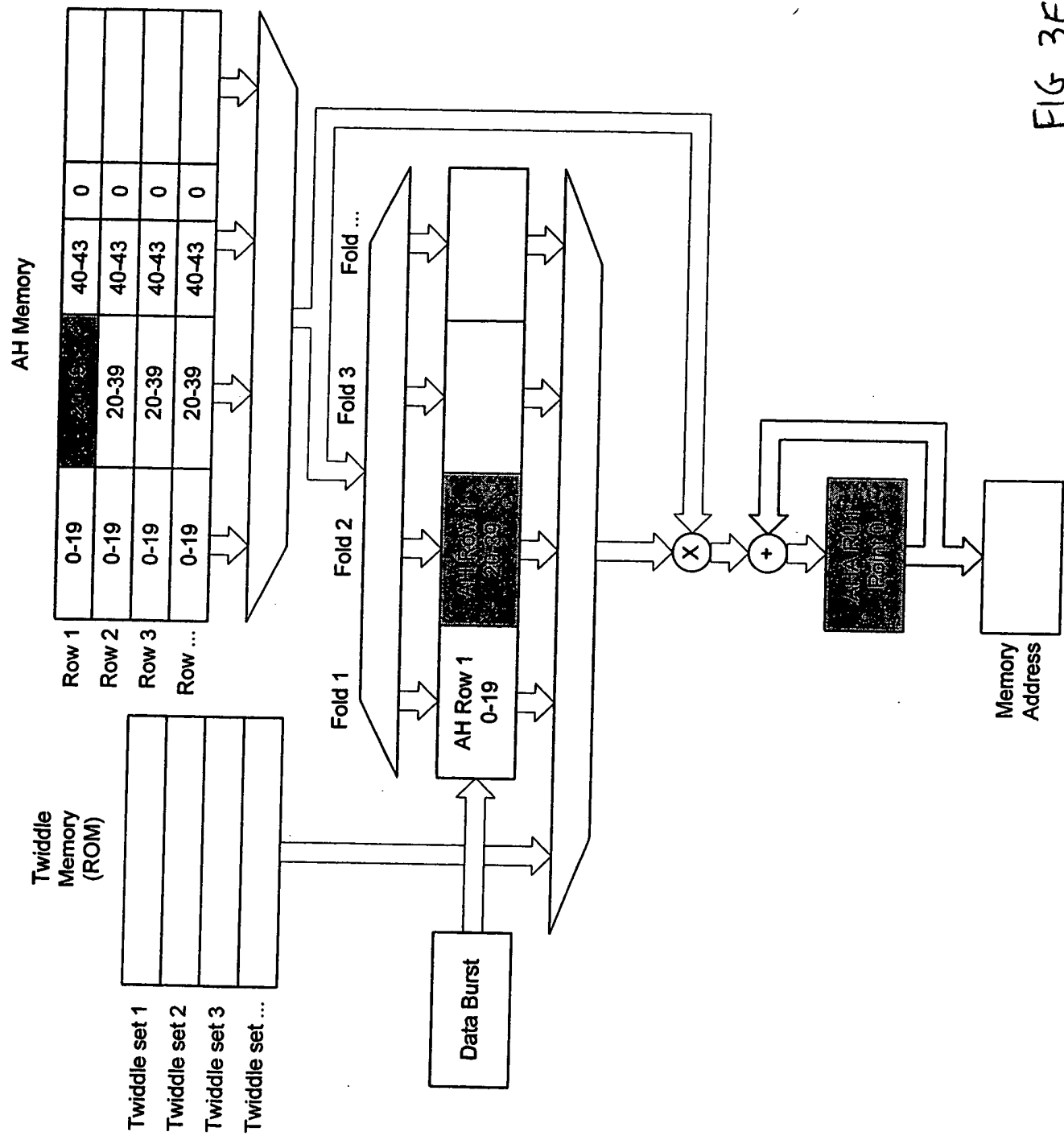


FIG 3E

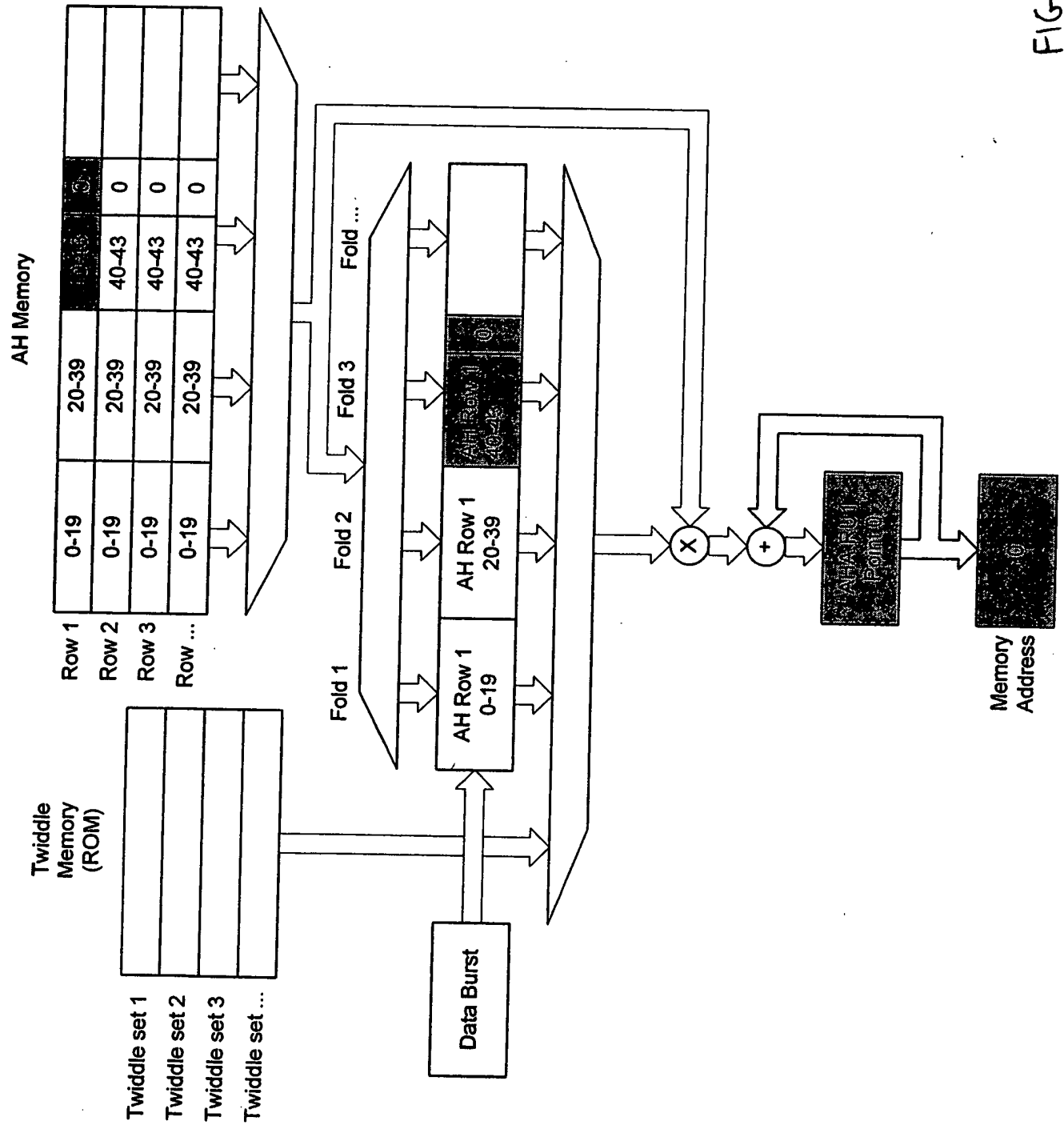


FIG 3F

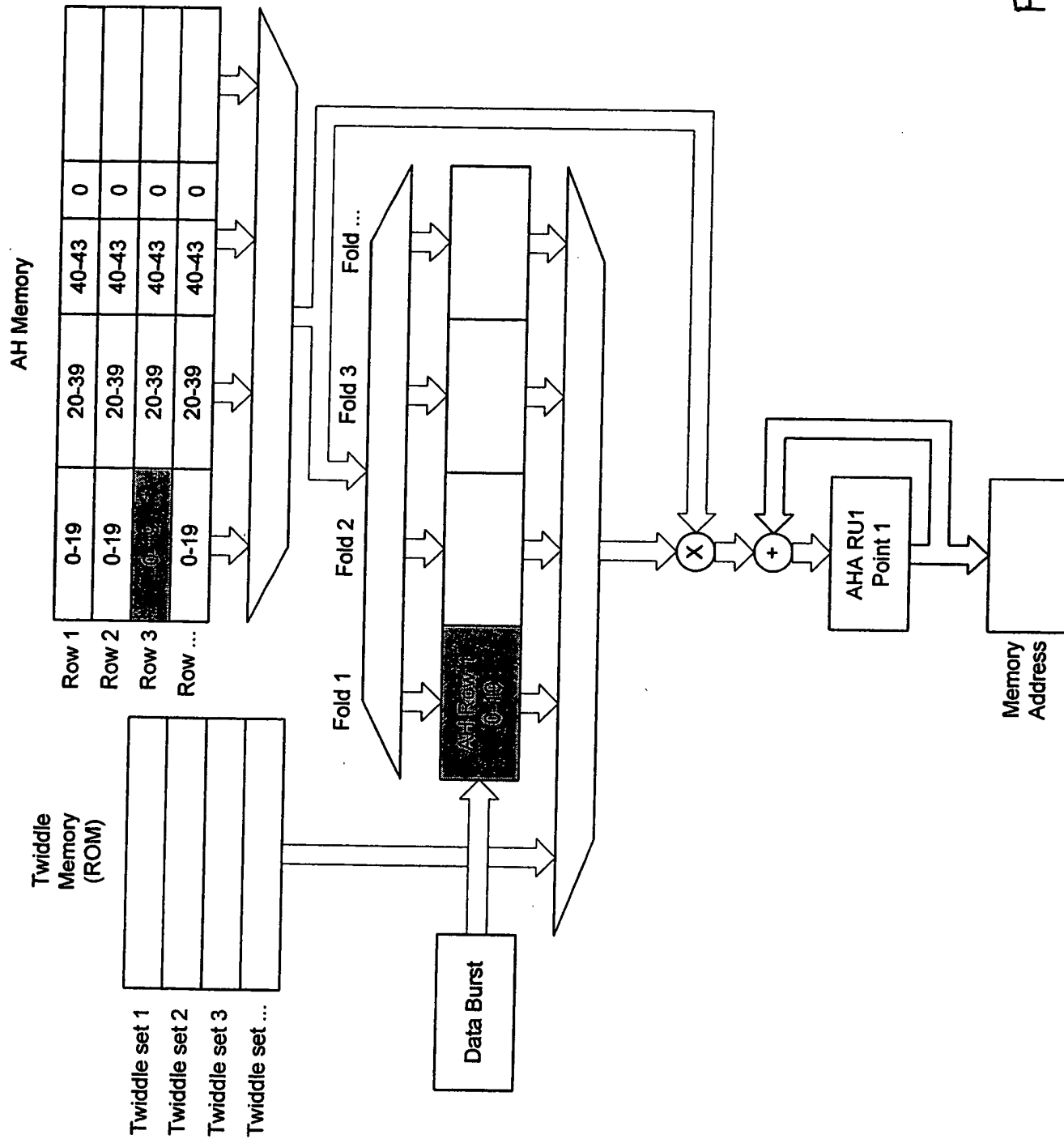
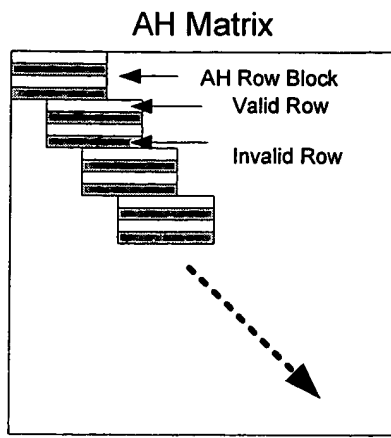
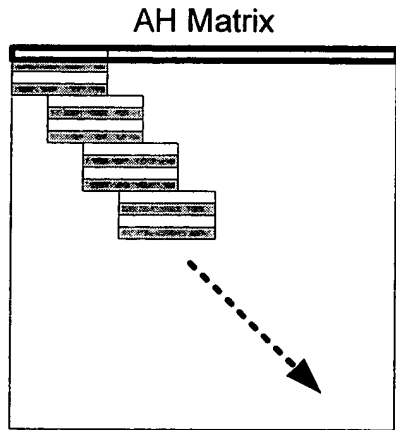


FIG 3G



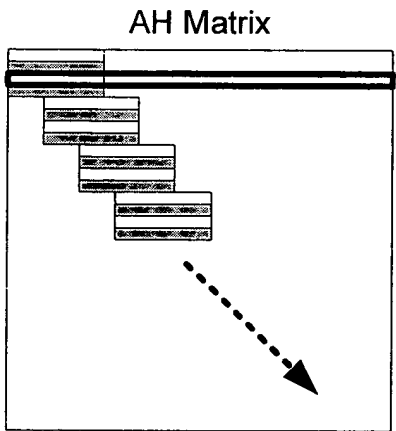
$$r = \text{AHr}$$

FIG 4A



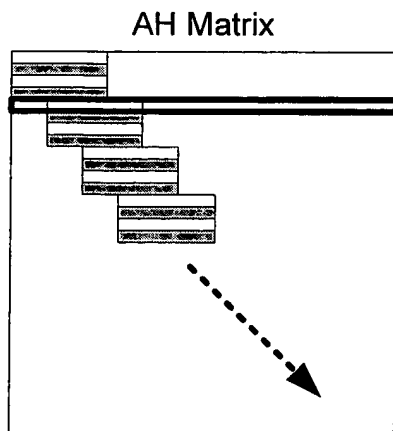
$$r = \text{AHr}$$

FIG 4B



$$r = \text{AHr}$$

FIG 4C



$$r = \text{AHr}$$

FIG 4D

AH Memory

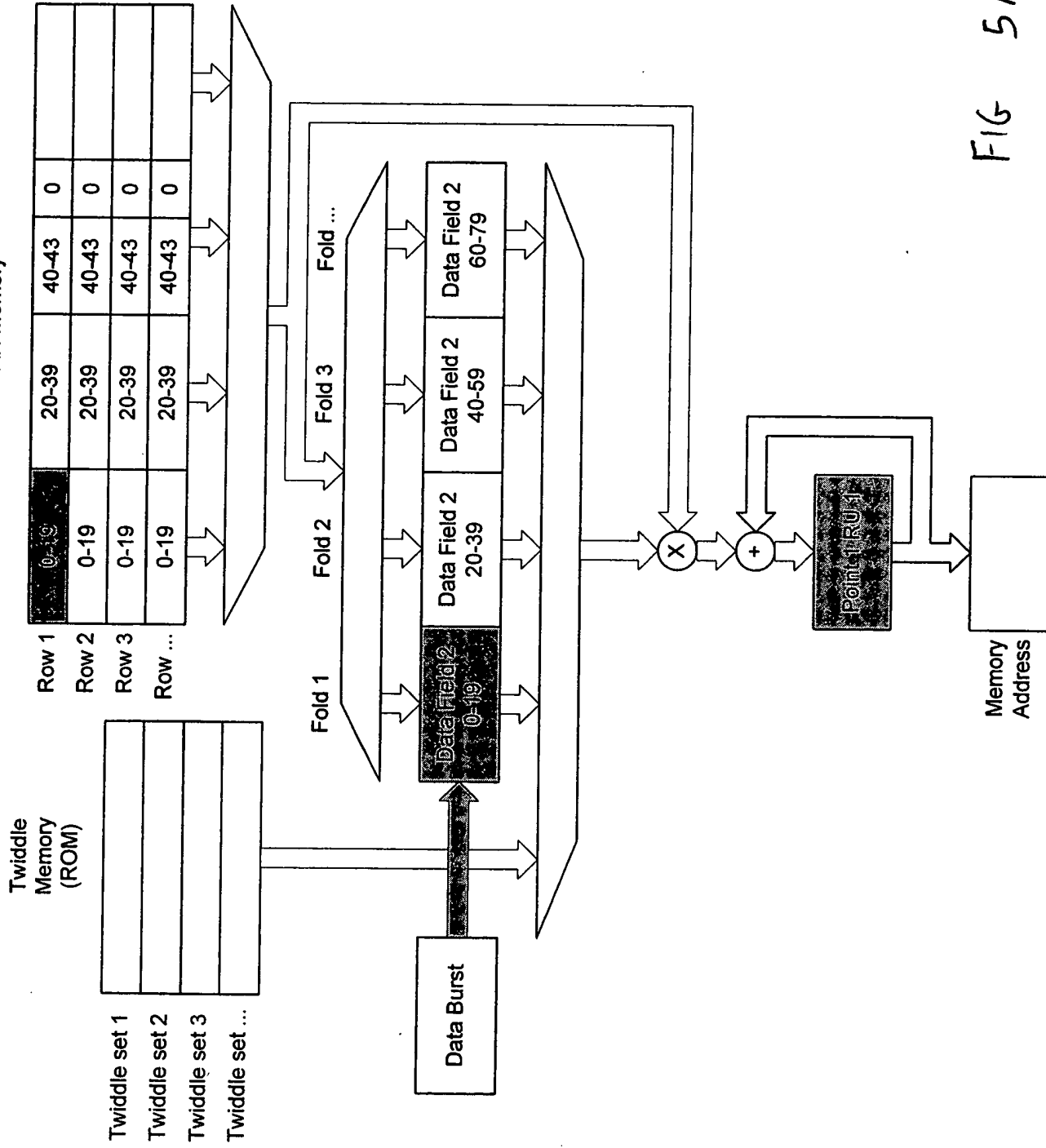


FIG 5A

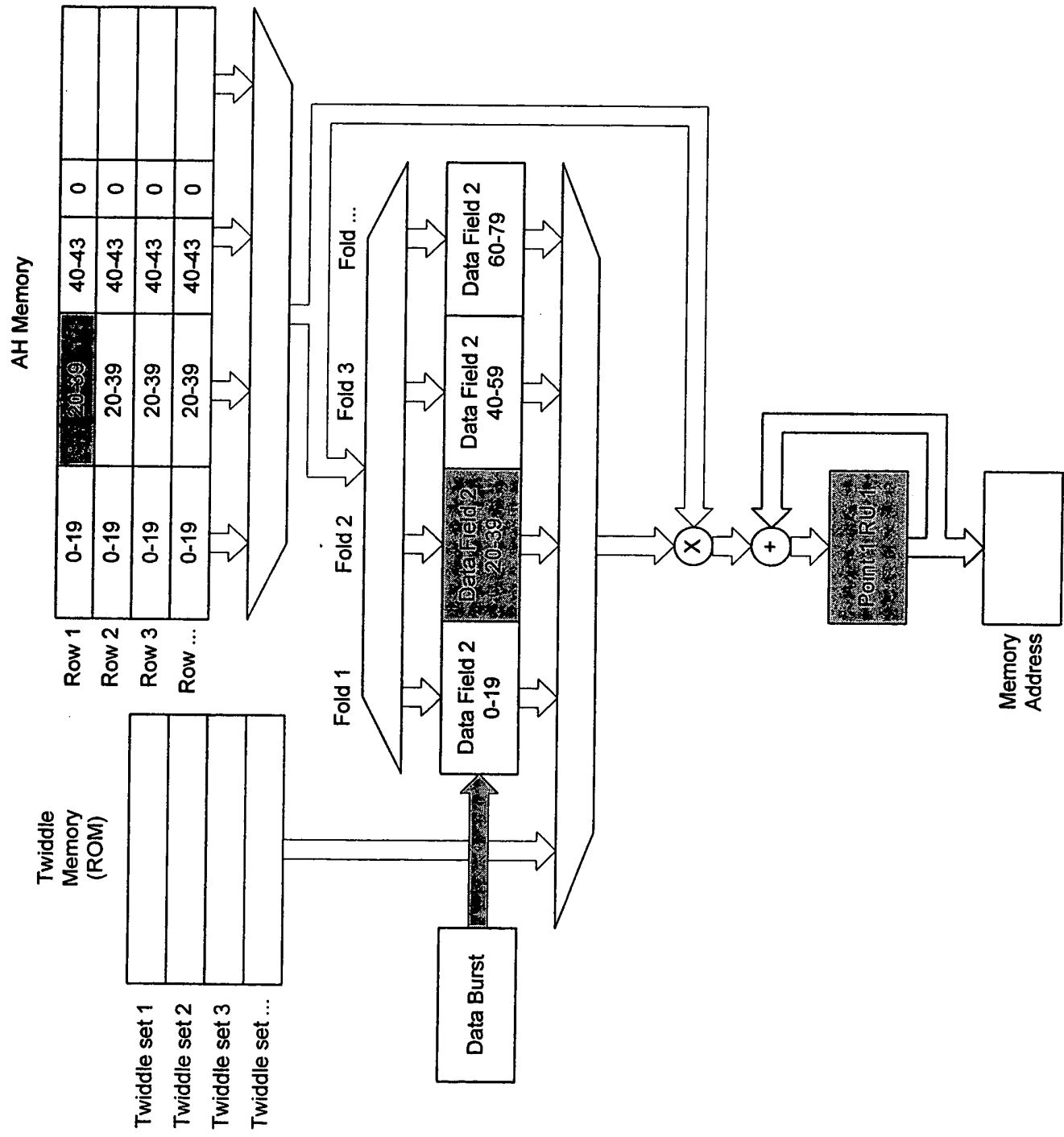


FIG. 5B

AH Memory

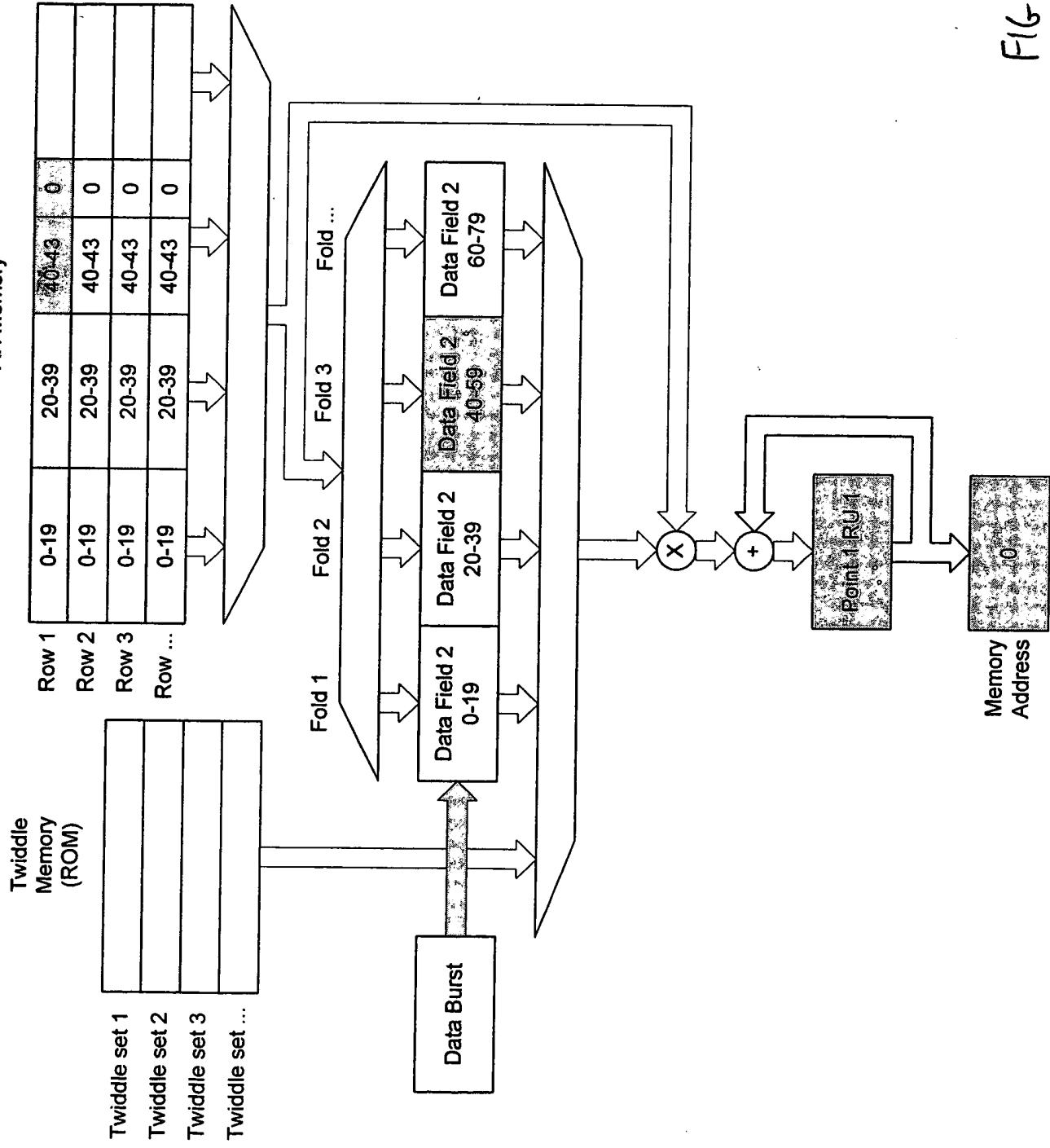


FIG 5C

AH Memory

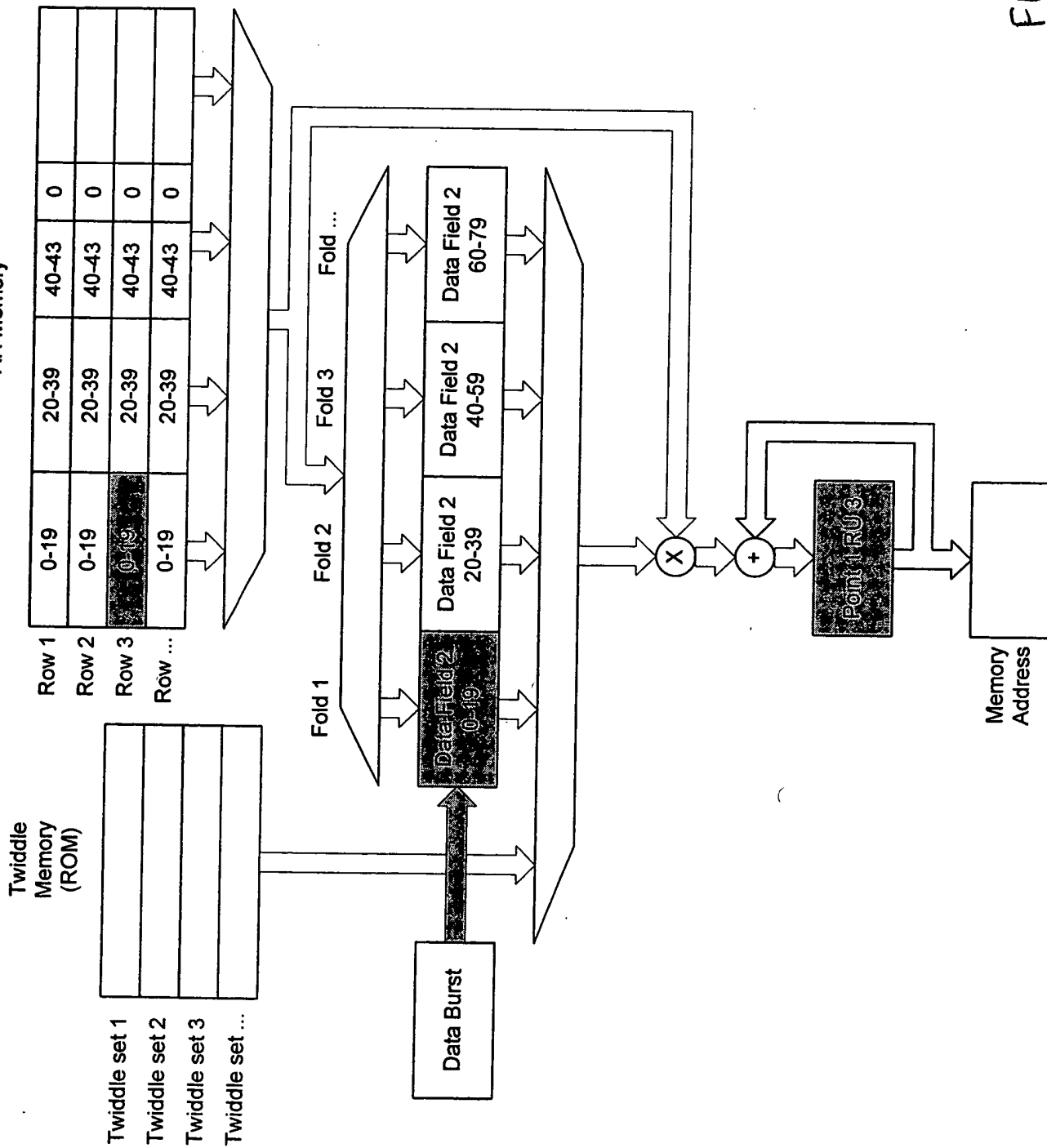


FIG 5A

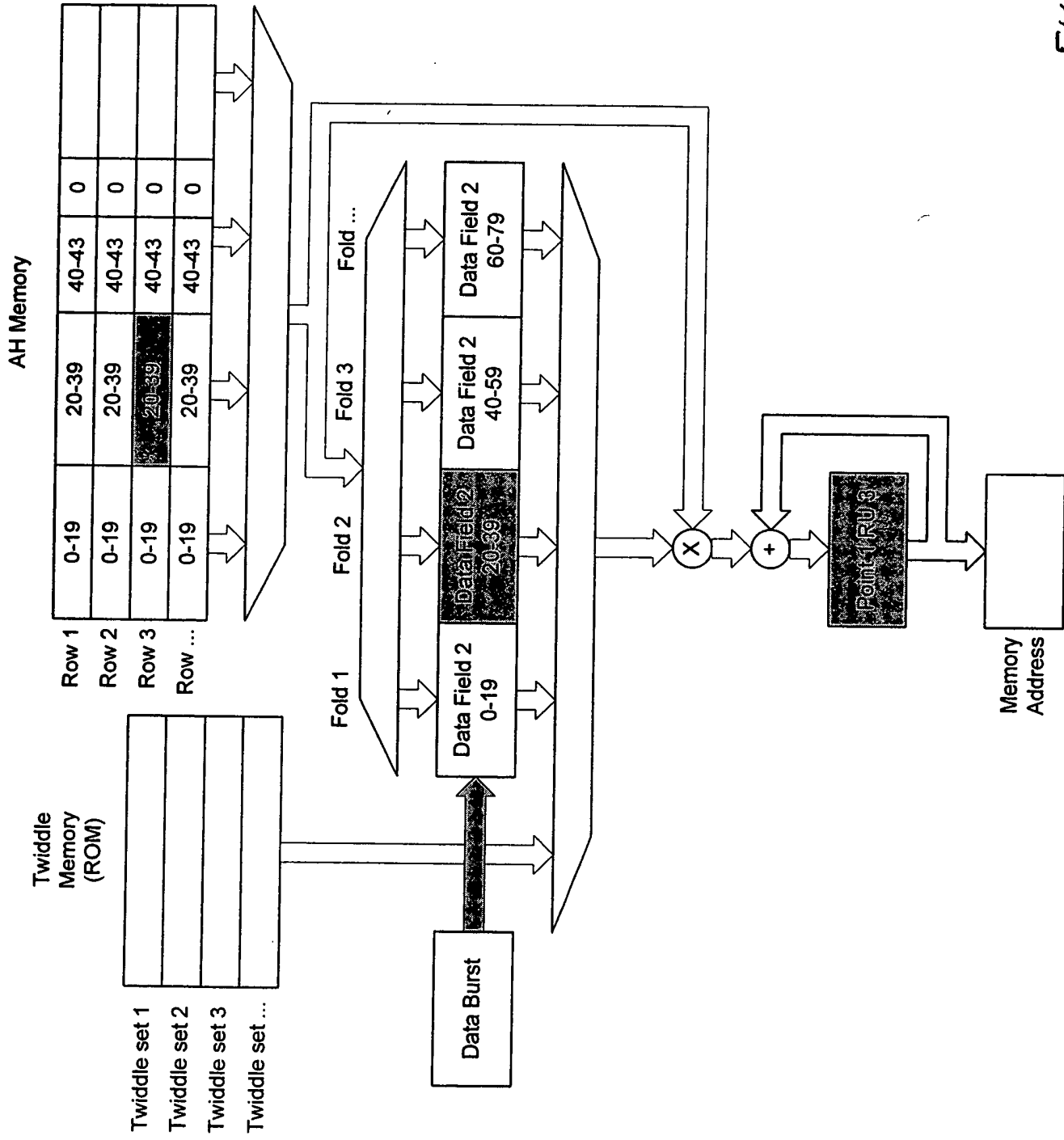


FIG. 5E

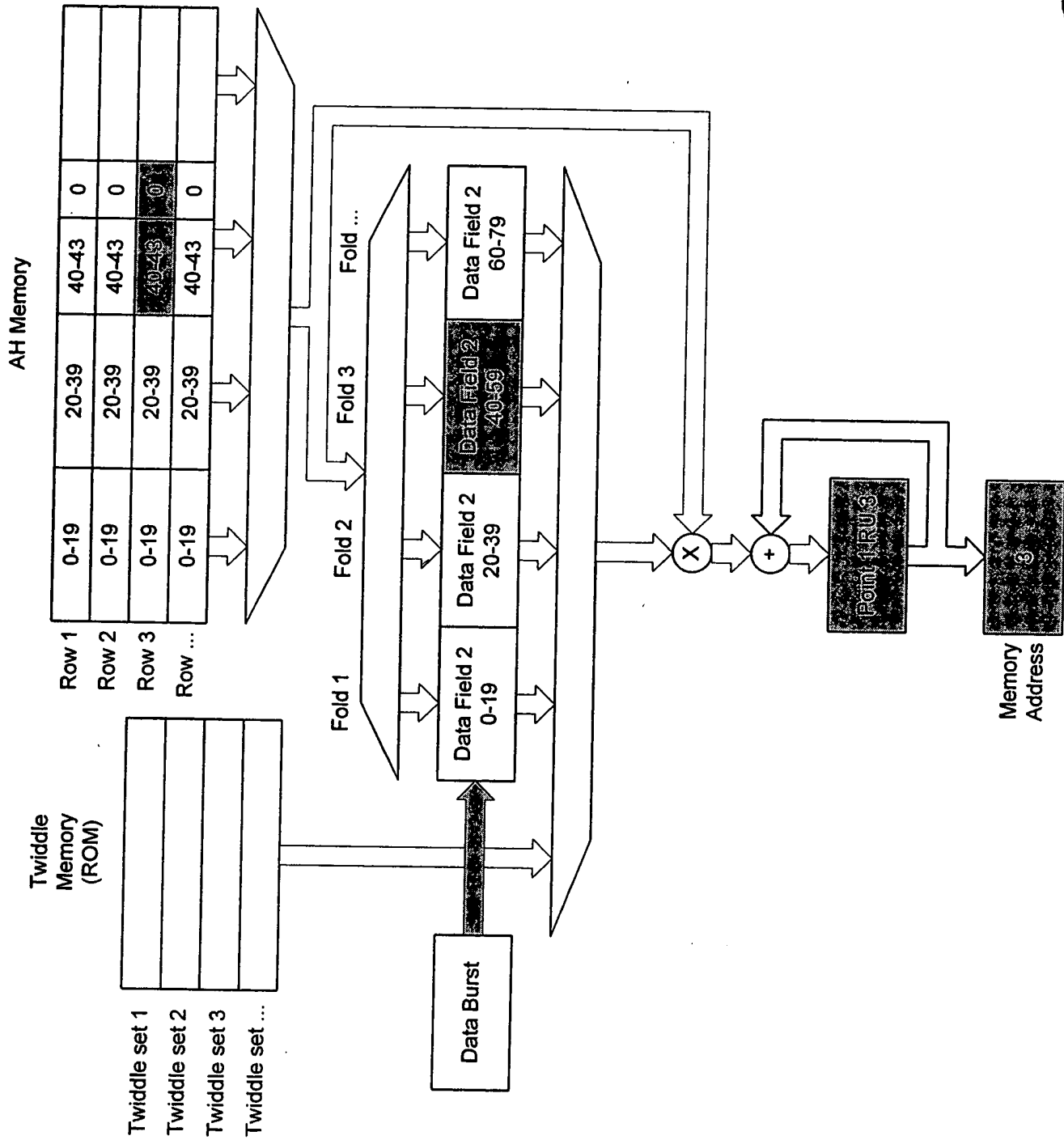


FIG 5F

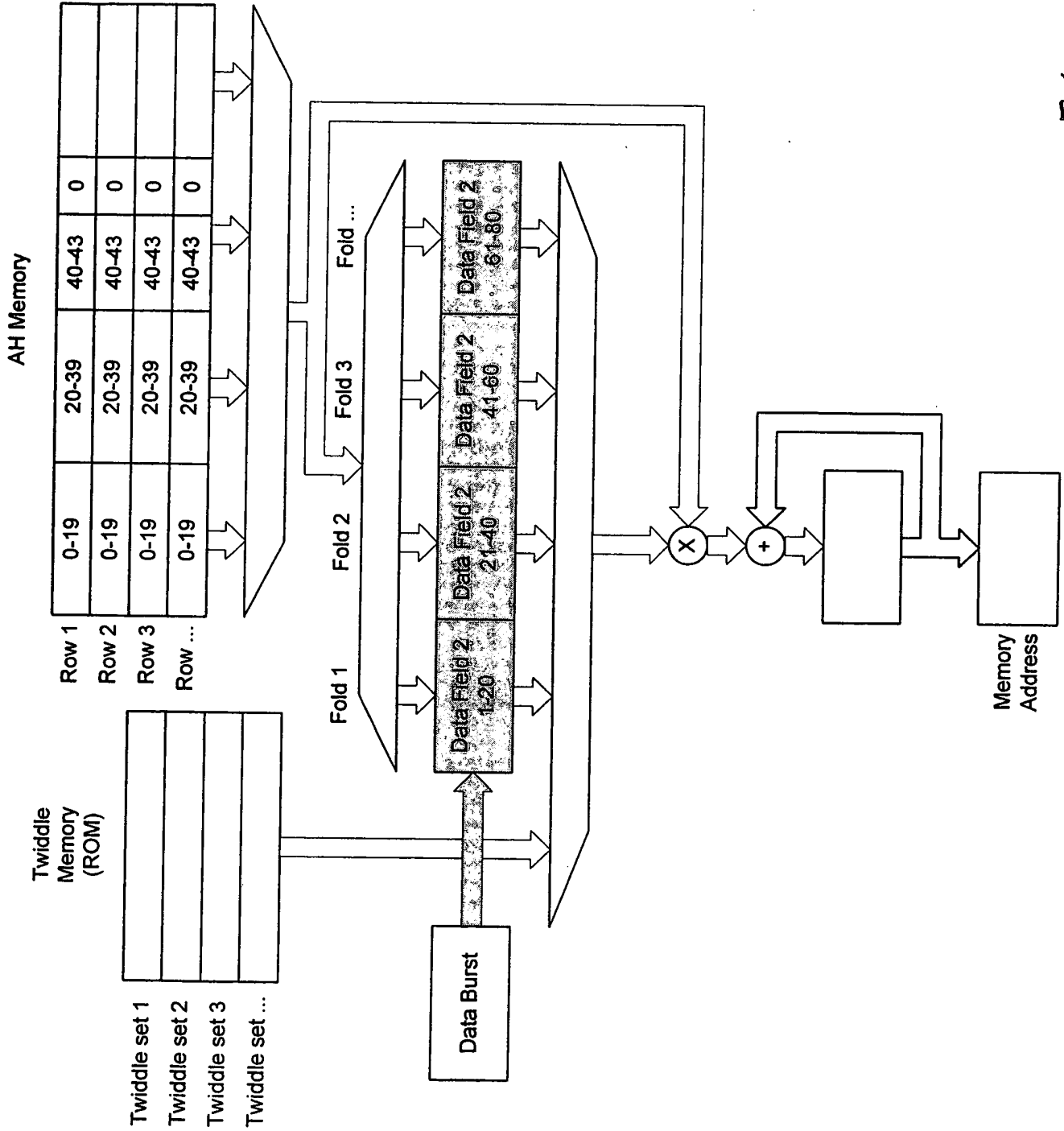


FIG 5G

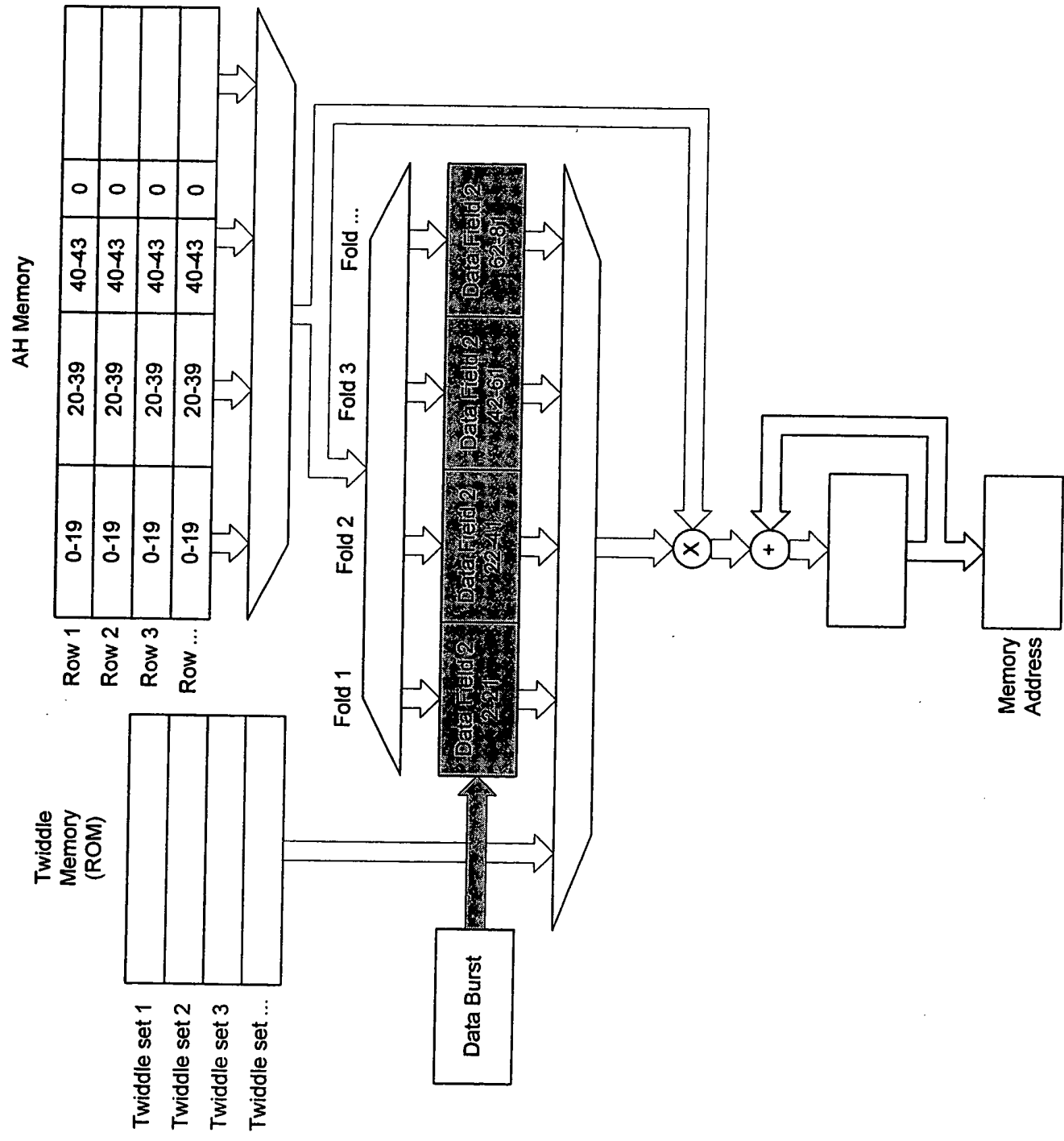


FIG- 5H

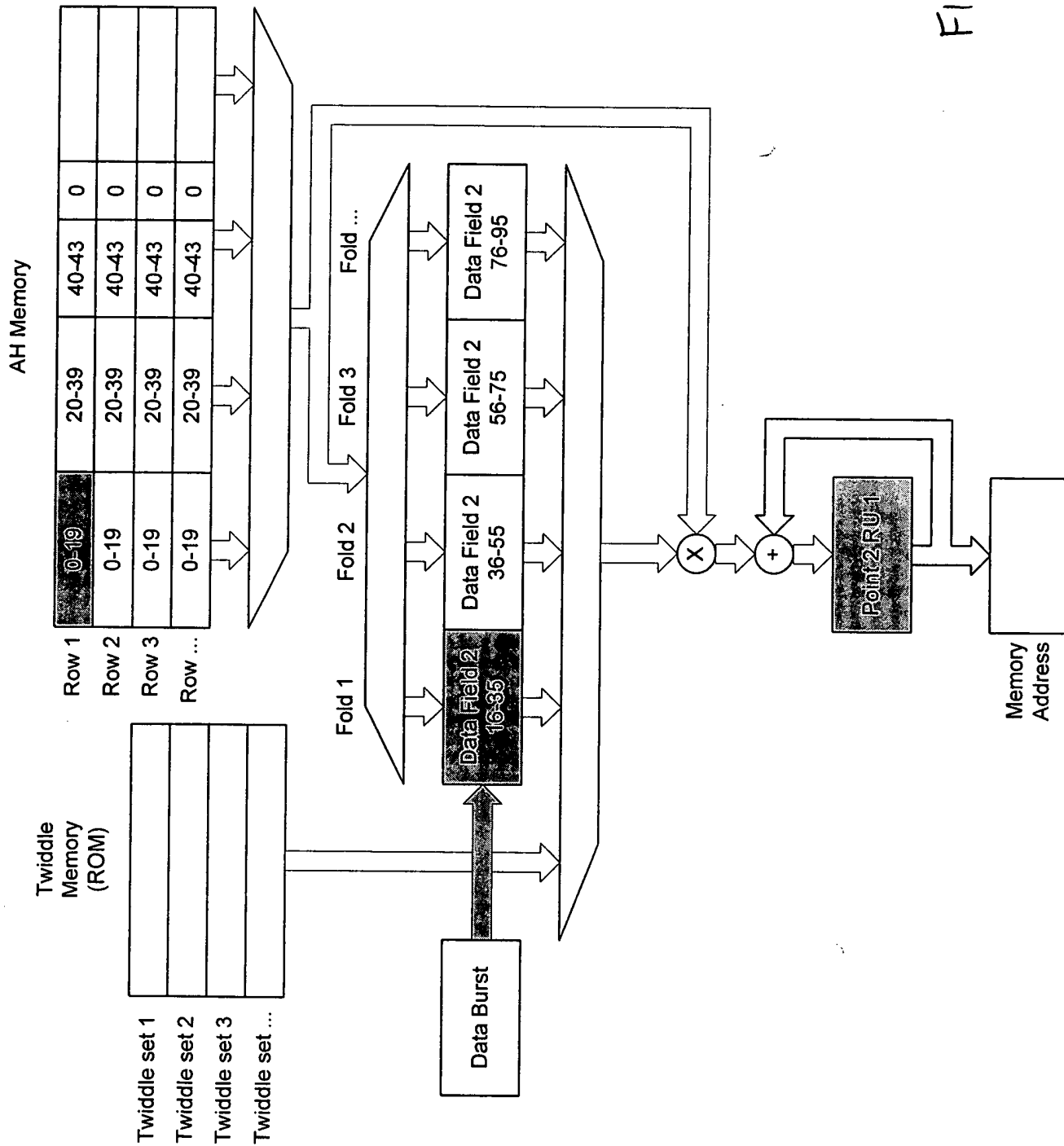
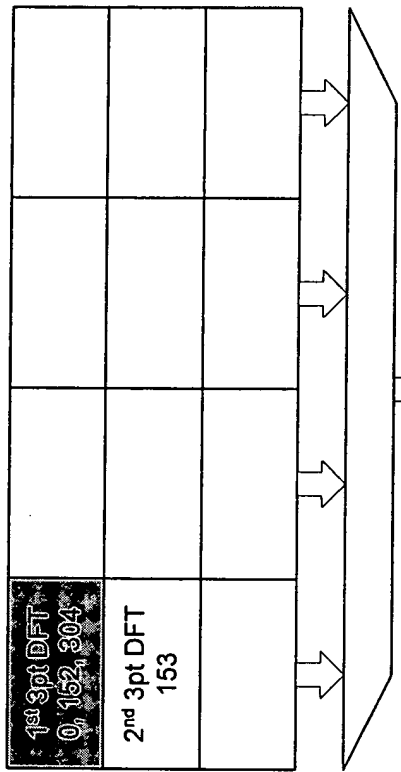
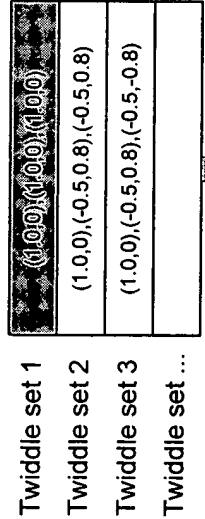


FIG 5I

External Memory



Twiddle Memory (ROM)



Data Burst

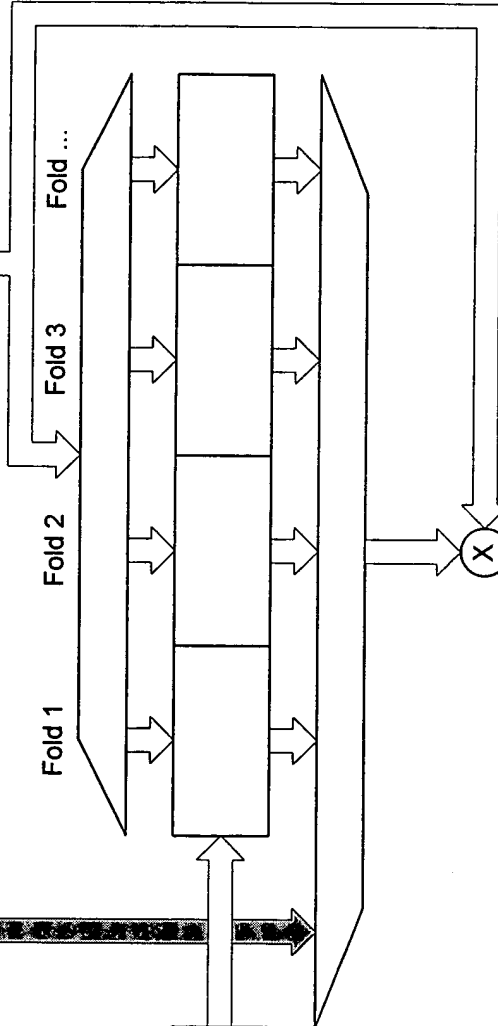
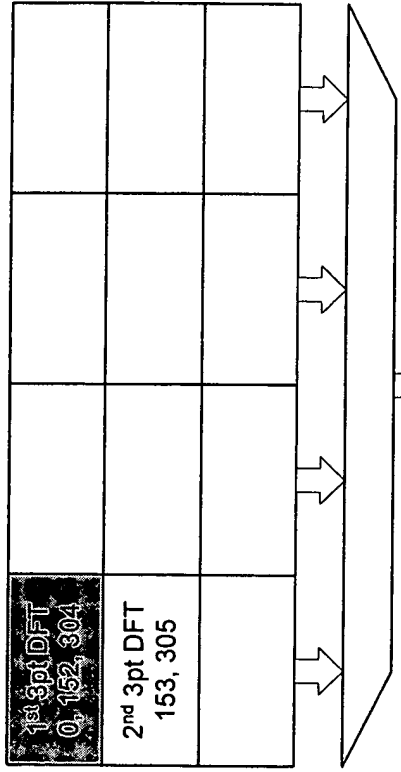
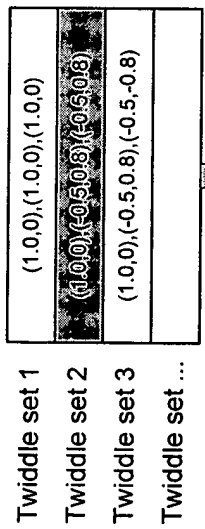


FIG 6A

External Memory



Twiddle Memory (ROM)



Data Burst

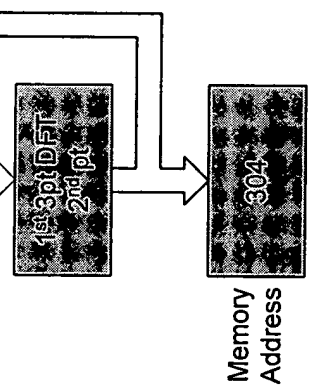
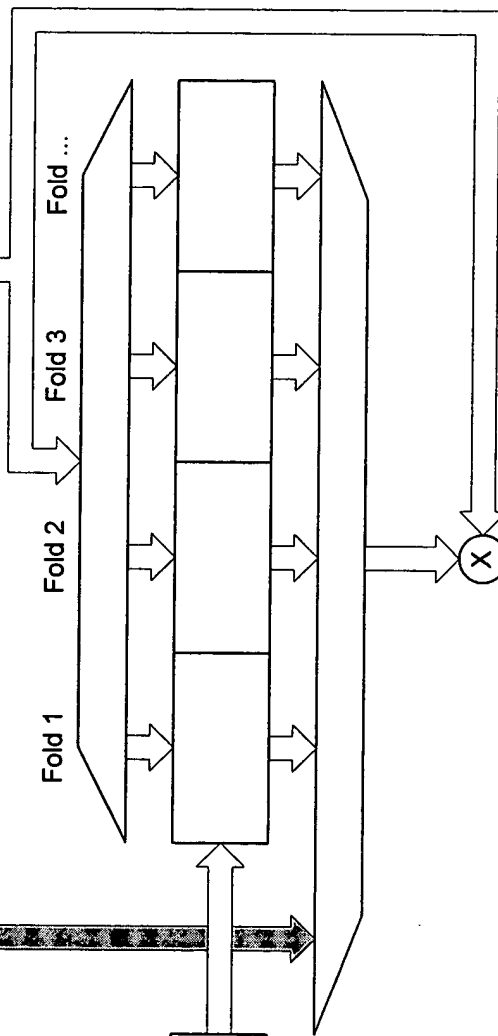


FIG- 6B

External Memory

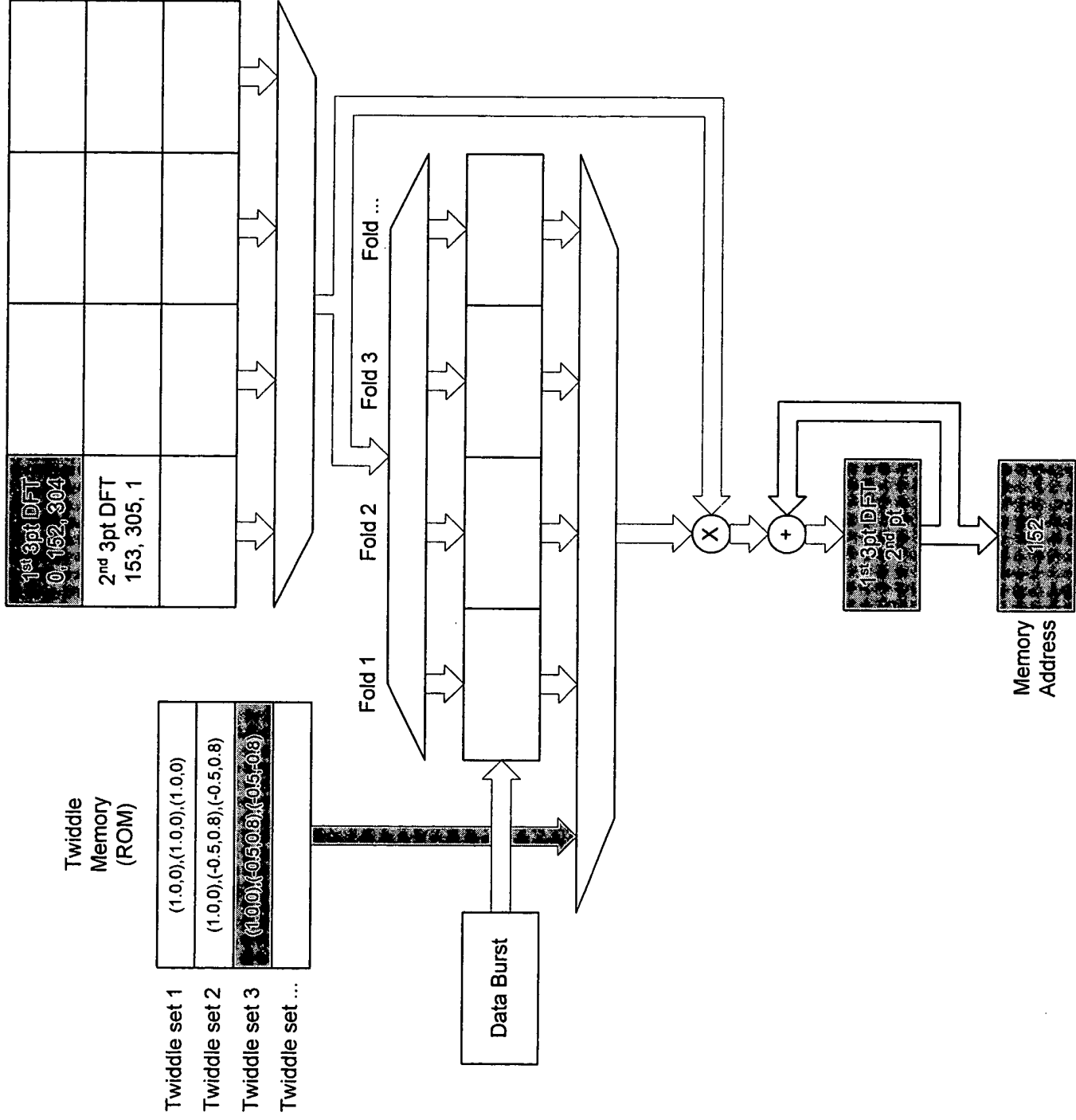


FIG 6C

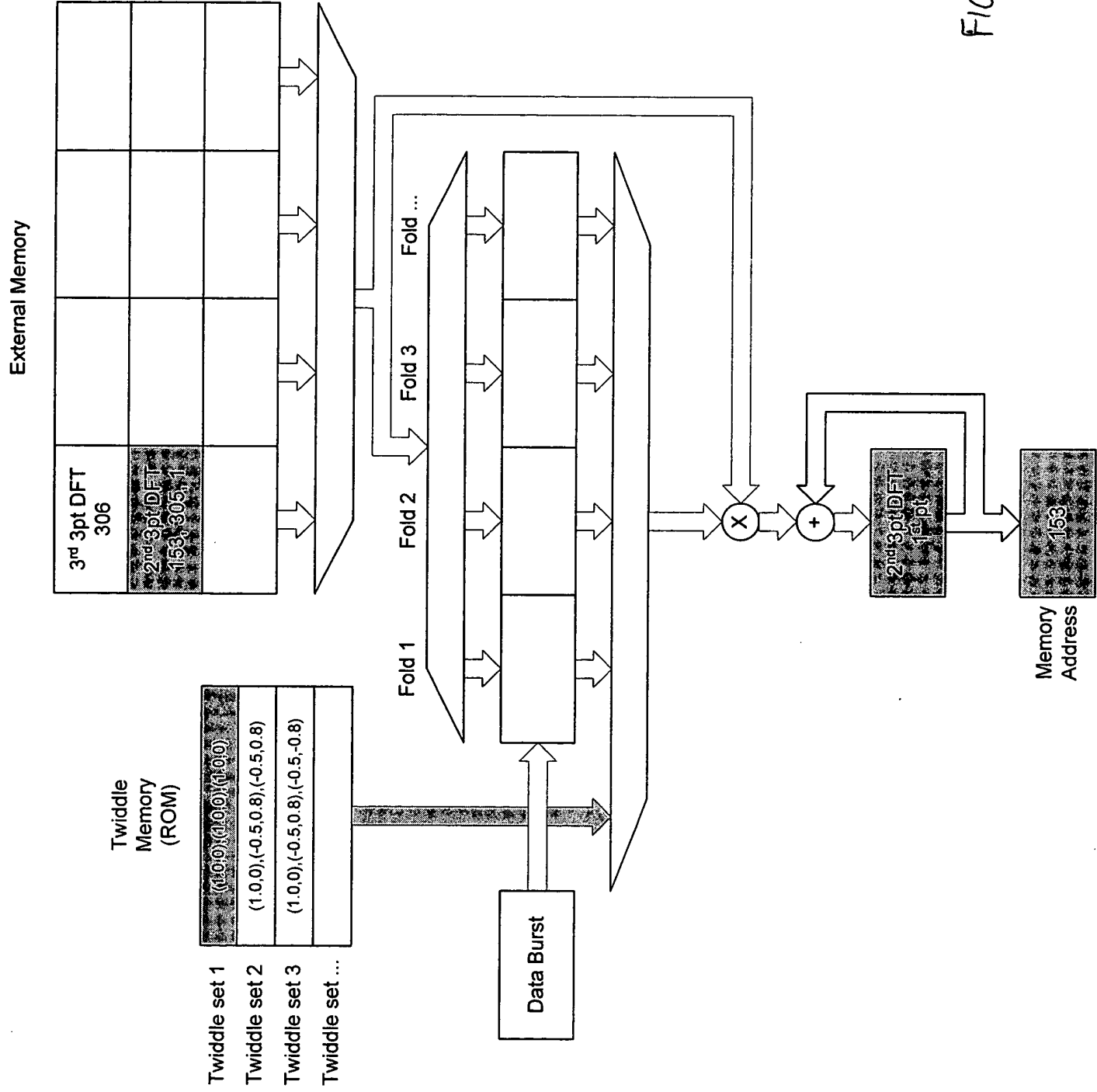
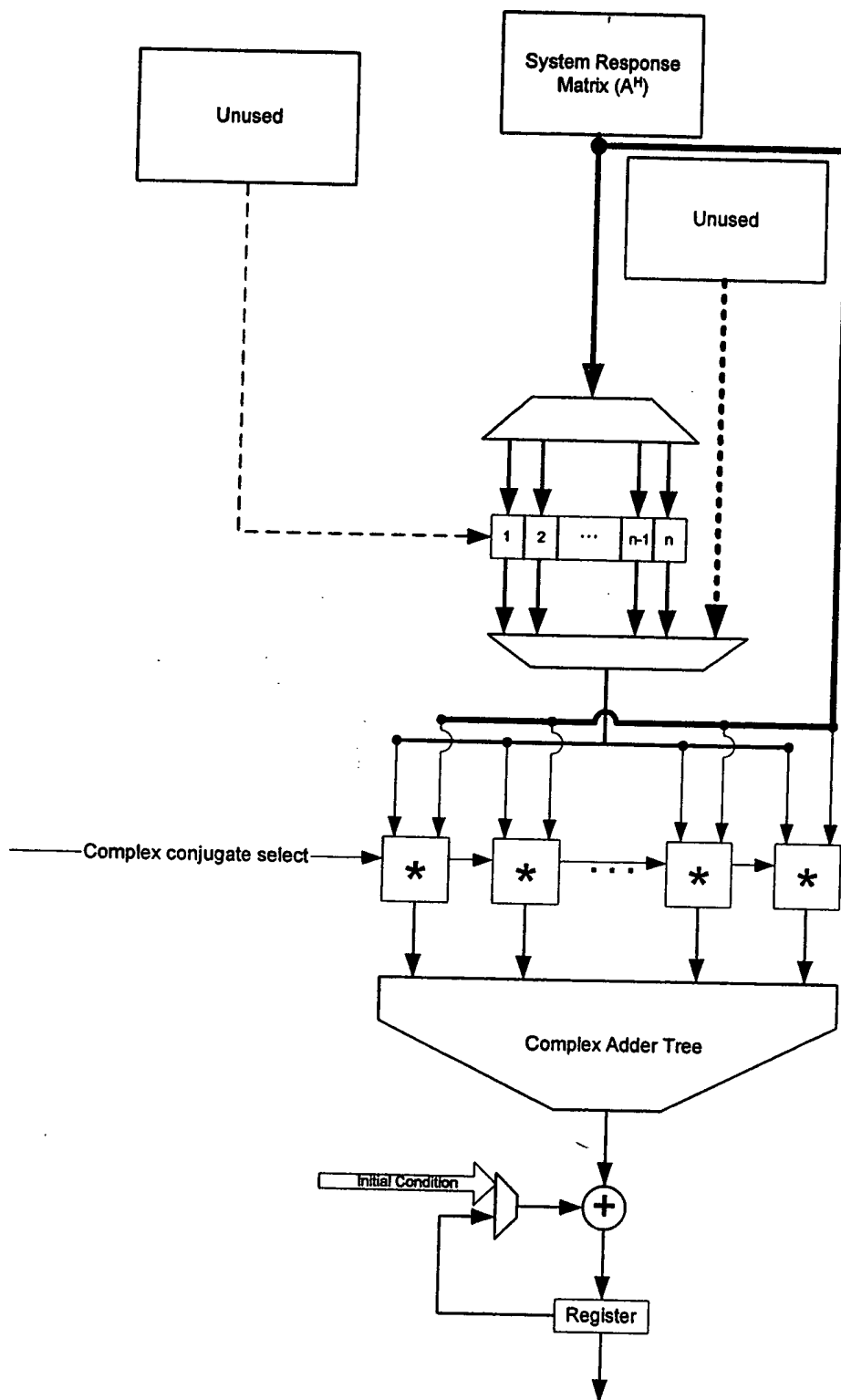
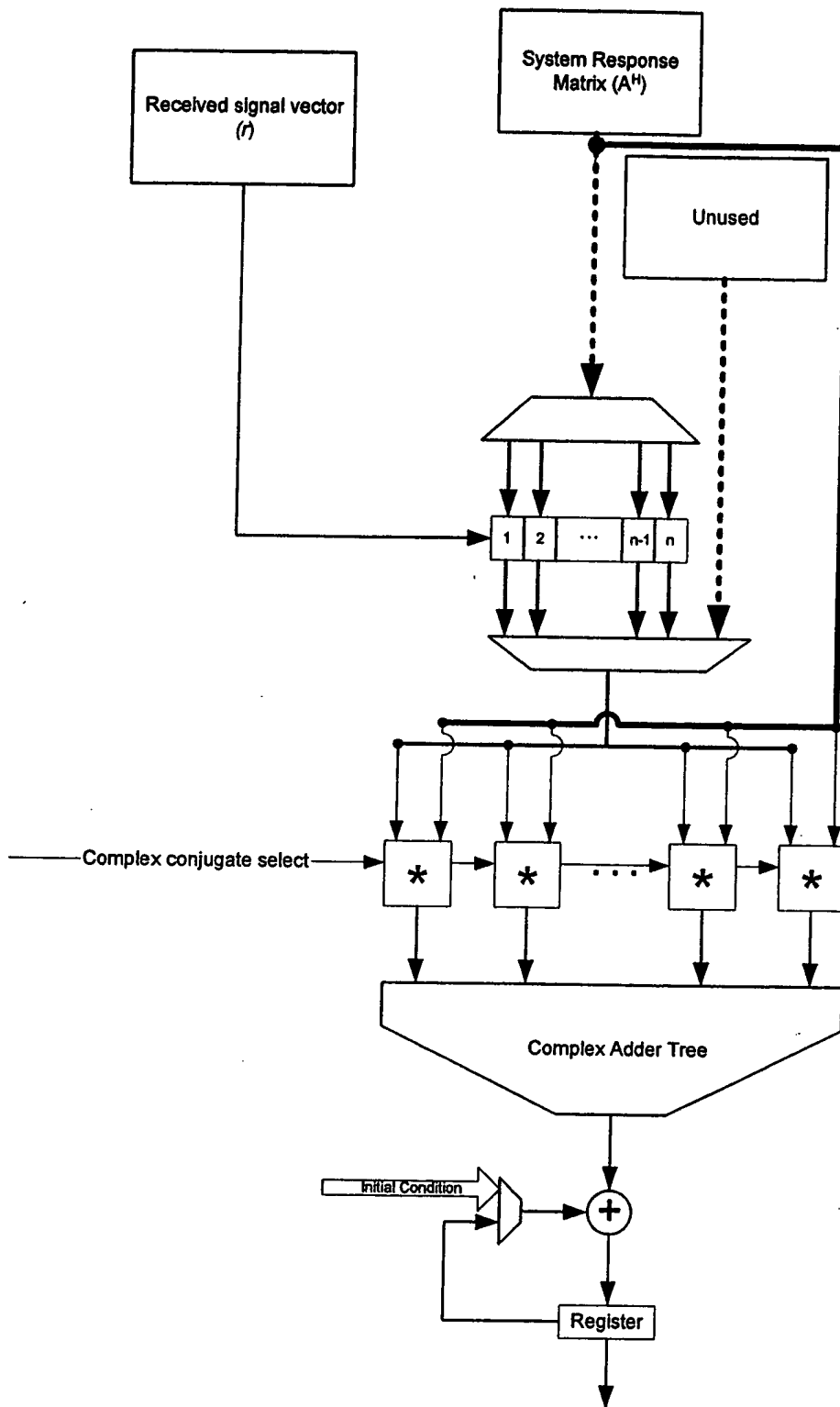


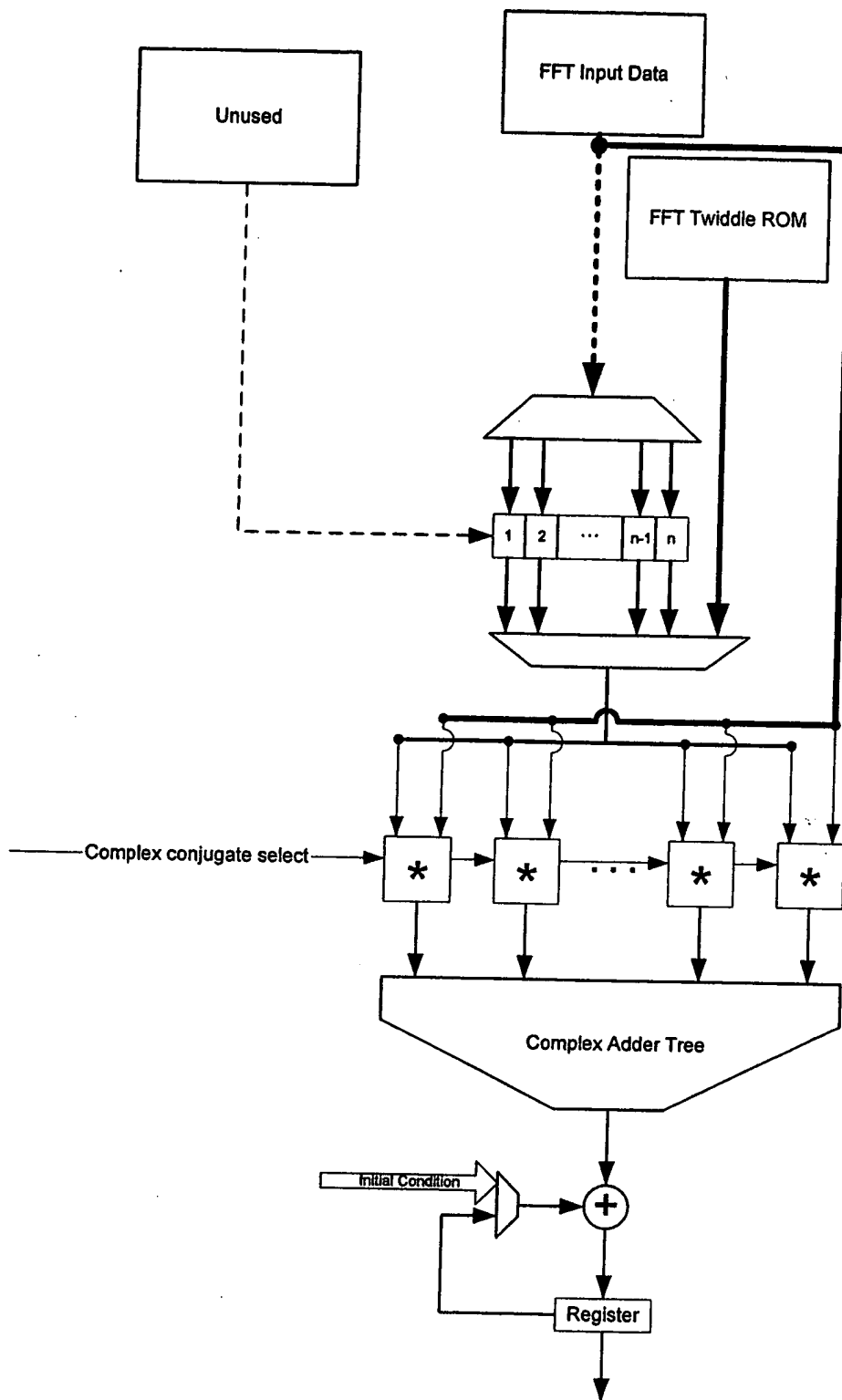
FIG 6A



7A



7B



7c